Flywheel housing Intake manifold location Exhaust manifold / turbocharger location Rotational mass moment of inertia excluding flywheel Turbocharger Fan drive ratios	SAE3 Left hand* Right hand*  kgm² 0.2255 Wastegate I:I m (in) 356 (14)
Exhaust manifold / turbocharger location  Rotational mass moment of inertia excluding flywheel  Turbocharger	Right hand* kgm² 0.2255 Wastegate I:I
Rotational mass moment of inertia excluding flywheel Turbocharger	kgm² 0.2255 Wastegate I:I
Turbocharger	Wastegate I:I
	1:1
Fan drive ratios	
Tall drive ratios	m (in) 356 (14)
Distance between fan - crankshaft centres mr	
Fuel filter	Engine mounted
Fuel lift pump	Mechanical with primer
Oil filter	Single, vertical - LHS*
Oil sump	Pressed Steel
Breather system	Closed
Oil cooler	LHS*
Oil filler position	Top and left hand side*
Starter motor	12V, 4.2kW
Alternator	12V, 95A
Power Take-off: Heavy Duty	60kW, 205Nm, 1.268:1 RHS
Power Take-off: Light Duty	15kW, 40Nm, 1.625:1 LHS
Finish	Lacquered

<sup>\*</sup>Orientation from flywheel.

DIMENSIONS		
Length	mm (in)	1184 (46.6)
Width	mm (in)	737 (29)
Height	mm (in)	1119 (44.1)

## **OPTIONS**

Extensive range of configuration options available - please contact your local JCB Power Systems Distributor or JCB Power Systems Sales and Applications department for availability and configuration options.



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## **KEY FACTS**

A compact and easy to install power solution

High fuel efficiency for low cost of ownership

High load acceptance for optimum performance

Supported with a global JCB distributor and dealer network

GENERAL TECHNICAL DATA				
Model		444NG - 47		
Aspiration		NA		
Emissions level		UN II (Stage II equivalent) & CPCB II		
Calculated gen-set output:		Prime Standby		
kWe (I)		40	44	
kVA (2)		50	55	
Gross power	kWm	47	52	
Net power	kWm	44	48	
Thermodynamic cycle		Diesel 4 stroke		
Arrangement		In-line 4 cylinder		
Bore	mm (in)	103 (4.1)		
Stroke	mm (in)	132 (5.2)		
Total displacement	cm³ (in³)	4399 (268.4)		
Valves per cylinder	4			
Injection system	Mechanical			
Cooling		Liquid		
Direction of rotation (viewed from crank nose)		Clockwise		
Minimum starting temperature without auxiliaries	°C (°F)	-12 (10)		
Dry weight	kg (lb)	565 (1246)		
Notes				
(1) kWe calculation assumes X% alternator efficiency		91%		
Fuel consumption				
I I0% load	I/h (g/kWh)	14.3 (234)		
100% load	I/h (g/kWh)	12.6 (232)		
75% load	I/h (g/kWh)	9.3 (225)		
50% load	I/h (g/kWh)	6.3 (228)		
Governing		ISO8528 G2 Class		



